

0570
0124

#17

ENTERED

See page 6



OIPE

RAW SEQUENCE LISTING

DATE: 01/27/2003

PATENT APPLICATION: US/10/028,075B

TIME: 10:08:11

Input Set : D:\Sequence Listing2 Version2 txt.asc

Output Set: N:\CRF4\01242003\J028075B.raw

3 <110> APPLICANT: Khan, Nisar A.
 4 Benner, Robert
 6 <120> TITLE OF INVENTION: Gene regulator
 8 <130> FILE REFERENCE: 2183-5223US
 10 <140> CURRENT APPLICATION NUMBER: 10/028,075B
 11 <141> CURRENT FILING DATE: 2001-12-21
 13 <150> PRIOR APPLICATION NUMBER: EP 01203748.7
 14 <151> PRIOR FILING DATE: 2001-10-04
 16 <160> NUMBER OF SEQ ID NOS: 175
 18 <170> SOFTWARE: PatentIn Ver. 2.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 4
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
 28 <400> SEQUENCE: 1
 29 Leu Gln Gly Val
 30 1
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 4
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
 40 <400> SEQUENCE: 2
 41 Ala Gln Gly Val
 42 1
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 6
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
 52 <400> SEQUENCE: 3
 53 Val Leu Pro Ala Leu Pro
 54 1 5
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 16
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Description of Artificial Sequence: swiss/p36507/MPK2 Human

RAW SEQUENCE LISTING

DATE: 01/27/2003

PATENT APPLICATION: US/10/028,075B

TIME: 10:08:11

Input Set : D:\Sequence Listing2 Version2 txt.asc

Output Set: N:\CRF4\01242003\J028075B.raw

```

64 <400> SEQUENCE: 4
65 Met Leu Ala Arg Arg Lys Pro Val Leu Pro Ala Leu Thr Ile Asn Pro
66   1           5           10           15
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 7
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: swiss/p36507/MPK2 Human
76 <400> SEQUENCE: 5
77 Met Leu Ala Arg Arg Lys Pro
78   1           5
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 4
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Description of Artificial Sequence: swiss/p36507/MPK2 Human
88 <400> SEQUENCE: 6
89 Met Leu Ala Arg
90   1
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 6
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: swiss/p36507/MPK2 Human
100 <400> SEQUENCE: 7
101 Val Leu Pro Ala Leu Thr
102   1           5
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 5
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence:
112     pdb/1QMH/1QMH-A
114 <400> SEQUENCE: 8
115 Val Leu Pro Ala Leu
116   1           5
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 4
120 <212> TYPE: PRT
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence:
125     pdb/4NOS/4NOS-A
127 <400> SEQUENCE: 9
128 Phe Pro Gly Cys

```

RAW SEQUENCE LISTING

DATE: 01/27/2003

PATENT APPLICATION: US/10/028,075B

TIME: 10:08:11

Input Set : D:\Sequence Listing2 Version2 txt.asc

Output Set: N:\CRF4\01242003\J028075B.raw

```
129 1
131 <210> SEQ ID NO: 10
132 <211> LENGTH: 4
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Hs.297775.1
139 <400> SEQUENCE: 10
140 Pro Gly Cys Pro
141 1
143 <210> SEQ ID NO: 11
144 <211> LENGTH: 7
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence:
150     swiss/P81272/NS2B HUMAN
152 <400> SEQUENCE: 11
153 Gly Val Leu Pro Ala Val Pro
154 1 5
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 6
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence:
163     swiss/P81272/NS2B HUMAN
165 <400> SEQUENCE: 12
166 Val Leu Pro Ala Val Pro
167 1 5
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 4
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence:
176     pdb/1FZV/1FZV-A
178 <400> SEQUENCE: 13
179 Pro Ala Val Pro
180 1
182 <210> SEQ ID NO: 14
183 <211> LENGTH: 9
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
190 <400> SEQUENCE: 14
191 Leu Gln Gly Val Val Pro Arg Gly Val
192 1 5
```

RAW SEQUENCE LISTING

DATE: 01/27/2003

PATENT APPLICATION: US/10/028,075B

TIME: 10:08:11

Input Set : D:\Sequence Listing2 Version2 txt.asc

Output Set: N:\CRF4\01242003\J028075B.raw

194 <210> SEQ ID NO: 15
195 <211> LENGTH: 4
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
202 <400> SEQUENCE: 15
203 Gly Val Val Pro
204 1
206 <210> SEQ ID NO: 16
207 <211> LENGTH: 5
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
214 <400> SEQUENCE: 16
215 Val Pro Arg Gly Val
216 1 5
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 4
222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
228 <400> SEQUENCE: 17
229 Pro Arg Gly Val
230 1
232 <210> SEQ ID NO: 18
233 <211> LENGTH: 5
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptide
240 <400> SEQUENCE: 18
241 Met Ala Pro Lys Lys
242 1
244 <210> SEQ ID NO: 19
245 <211> LENGTH: 4
246 <212> TYPE: PRT
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
252 <400> SEQUENCE: 19
253 Leu Gln Gly Ala
254 1
256 <210> SEQ ID NO: 20
257 <211> LENGTH: 10
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 01/27/2003

PATENT APPLICATION: US/10/028,075B

TIME: 10:08:11

Input Set : D:\Sequence Listing2 Version2 txt.asc

Output Set: N:\CRF4\01242003\J028075B.raw

261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
264 <400> SEQUENCE: 20
265 Val Leu Pro Ala Leu Pro Gln Val Val Cys
266 1 5 10
267 <210> SEQ ID NO: 21
268 <211> LENGTH: 6
269 <212> TYPE: PRT
270 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
276 <400> SEQUENCE: 21
277 Ala Leu Pro Ala Leu Pro
278 1 5
280 <210> SEQ ID NO: 22
281 <211> LENGTH: 6
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
288 <400> SEQUENCE: 22
289 Val Ala Pro Ala Leu Pro
290 1 5
292 <210> SEQ ID NO: 23
293 <211> LENGTH: 7
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
300 <400> SEQUENCE: 23
301 Ala Leu Pro Ala Leu Pro Gln
302 1 5
304 <210> SEQ ID NO: 24
305 <211> LENGTH: 7
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
312 <400> SEQUENCE: 24
313 Val Leu Pro Ala Ala Pro Gln
314 1 5
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 7
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: oligopeptide
324 <400> SEQUENCE: 25
325 Val Leu Pro Ala Leu Ala Gln

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/028,075B

DATE: 01/27/2003
TIME: 10:08:12

Input Set : D:\Sequence Listing2 Version2 txt.asc
Output Set: N:\CRF4\01242003\J028075B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:97; Xaa Pos. 2

Seq#:98; Xaa Pos. 2

VERIFICATION SUMMARY

DATE: 01/27/2003

PATENT APPLICATION: US/10/028,075B

TIME: 10:08:12

Input Set : D:\Sequence Listing2 Version2 txt.asc

Output Set: N:\CRF4\01242003\J028075B.raw

L:1272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:0

L:1291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0